

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/551,895
Filing Date	2005-10-04
First Named Inventor	James A. Proctor
Art Unit	2618
Examiner Name	MILORD, MARC

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Attorney Docket No: 080591

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	001	US3363260	01-09-1968	Irving Jacobson.
	002	US4000467	12-28-1976	Lentz et al.
	003	US4001691	01-04-1977	Gruenberg et al.
	004	US4061970	12-06-1977	Magneiron et al.
	005	US4081752	03-28-1978	Sumi et al.
	006	US4124825	11-07-1978	Webb et al.
	007	US4204016	05-20-1980	Chavannes et al.
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**EXAMINER SIGNATURE**

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/551,895
Filing Date	2005-10-04
First Named Inventor	James A. Proctor, JR.
Art Unit	2618
Examiner Name	MILORD, MARCEAU

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Attorney Docket No.: 080591

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	022	US5371734	12-06-1994	Fischer et al.	
	023	US5408197	04-18-1995	Miyake et al.	
	024	US5408618	04-18-1995	Aho et al.	
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	030	US5515376	05-07-1996	Murthy et al.	
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	042	US5754540	05-19-1998	Liu et al.	

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number		Complete if Known	
Filing Date		10/55-1,895	
First Named Inventor		James A. Proctor JR.	
Art Unit		2618	
Examiner Name		MILORD, MARCEAU	
Attorney Docket No.: 080591			

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	043	US5764636	06-09-1998	Edsall et al.	
	044	US5771174	06-23-1998	Spinner et al.	
	045	US5784683	07-21-1998	Sistanizadeh et al.	
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	049	US5875179	02-23-1999	Tikelsky et al.	
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Application Number	Complete, if Known 10/551,895
Filing Date	2005-10-04
First Named Inventor	James A. Proctor JR
Art Unit	2618
Examiner Name	MILORD, MARCEAU

Sheet 4 of 14 Attorney Docket No.: 080591

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	Document Number (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	064	US6188694	02-13-2001	Fine et al.	
	065	US6188719	02-13-2001	Coliomby et al.	
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	084	US6480481	11-12-2002	Park et al.	

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considered. Include USPTO Patent Office stamp with next communication to applicant. USPTO Patent Office stamp with next communication number, location, and letter code (WIPO Standard ST.3) \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, and of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language version of the document is submitted. If the document is in a language other than English, the applicant must submit a translation of the document which is to be filed by the applicant (and by theUSPTO, to process), an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments and questions should be directed to the Patent Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Complete if known**

Application Number
Filing Date
First Named Inventor

**RESEARCH DESIGN**

Attorney Docket No: 080597

U.S. PATENT DOCUMENTS				Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner Initials	Cite No.	Document Number Number-Kind Code (Access)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	085	US6501965	12-31-2002	Durrant et al.
	086	US6535732	03-18-2003	McIntosh et al.
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	088	US6574198	06-03-2003	Peterson et al.
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	099	US6957042	10-18-2005	Williams et al.
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	102	US6990313	01-24-2006	Yarkosky et al.
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	104	US7050442	05-23-2006	Proctor et al.
	105	US7088734	08-08-2006	Newberg et al.

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STATEMENT BY APPLICANT

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Application Number		Complete if known	
Filing Date		10/561,895	
First Named Inventor		2005-10-04	
Art Unit		James A. Proctor JR.	
Examiner Name		2618	
Attorney Docket No:		MILORD, MARCEAU	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear.
	106	US7120930	10-10-2006	Maufer et al.	
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	126	US7590145	09-15-2009	Futch et al.	

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STATEMENT BY APPLICANT

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Application Number	10/551,895
Filing Date	2005-10-04
First Named Inventor	James A. Proctor JR.
Art Unit	2618
Examiner Name	MILORD, MARCEAU

Attorney Docket No.: 080591

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear.
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	136	US20020101843	08-01-2002	Sheng, Huang Chih et al.	
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	142	US20020163902	11-07-2002	Takao, Toshiaki et al.	
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	144	US20030026363	02-06-2003	Storer, Jan et al.	
	145	US20030139175	07-24-2003	Kim, Jong-Hwan et al.	
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Application Number

**Complete It Known**  
10/5551,895

Filing Date

2005-10-04

Art Unit

Examiner Name \_\_\_\_\_

MILORD, MARCEAU

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Attorney Docket No: 080591

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Kind (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	148	US20030235170	12-25-2003	Trainin, Solomon B et al.	
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	154	US20040131025	07-08-2004	Dohler, Mischä et al.	
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	157	US20040166802	08-26-2004	McKay, David L, SFR et al.	
	158	US20040176050	09-09-2004	Steer, David et al.	
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	161	US20040264511	12-30-2004	Futch, Richard J et al.	
	162	US200500114464	01-20-2005	Larsson, Peter et al.	
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	164	US20050042999	02-24-2005	Rappaport, Theodore S et al.	
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## DATE CONSIDERED

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**INFORMATION DISCLOSURE  
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Attorney Docket No: 080591

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1	73	73	1	73	73
1	74	74	1	74	74
1	75	75	1	75	75
1	76	76	1	76	76
1	77	77	1	77	

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168	US20050256963	11-17-2005	Proctor Jr., James A et al	Proctor Jr., James A et al
169	US20060035643	02-16-2006	Vook et al.	Vook et al.
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184	US20080057862	03-06-2008	Smith et al.	Smith et al.
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Sheet 10 of 14 Attorney Docket No: 080591

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number (2011 known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code- Number <sup>2</sup> Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	187	EP0523687A2	01-20-1993	FUJITSU LTD [JP]	
	188	EP0860953A1	08-26-1998	SAGEM [FR]	
	189	GB2272659A	05-18-1994	NOKIA TELECOMMUNICATIONS OY [FI]	
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	194	WO0217572A2	02-28-2002	NORTEL NETWORKS CORP [CA] et al.	
	195	WO2004002014A1	12-31-2003	WIDEFI INC [US] et al.	
	196	WO2004062305A1	07-22-2004	WIDEFI INC [US] et al.	

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STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number		10/551,895	
Filing Date		2005-10-04	
First Named Inventor		James A. Proctor JR.	
Art Unit		2618	
Examiner Name		MILORD, MARCEAU	
Attorney Docket No.		080591	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> , Number <sup>3</sup> , Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					<input type="checkbox"/>

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) volume- issue number(s), publisher, city and/or country where published. ANDRISANO, et al., "On the Spectral Efficiency of CPM Systems over Real Channel in the Presence of Adjacent Channel and CoChannel Interference: A Comparison between Partial and Full Response Systems, IEEE Transactions on Vehicular Technology, Vol. 39, No. 2, May 1990. Code of Federal Regulations, Title 47 Telecommunications, "Federal Communications Commission code part 15.407." Federal Communications Commission vol. 1, chapter 1, part 15.407. Copy of First Office Action issued from the Chinese Patent Office in connection with corresponding Chinese application No. 200380101286.2 Draft Corresponding to IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed Broadband Wireless Access Systems, IEEE P802.16-2004/Cor1/D5. Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems; Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands. First Report issued by IP Australia on July 31, 2007 in connection with the corresponding Australian application No. 2003239577. IEEE 802.16(e), Part 16: Air Interface for Fixed Broadband Wireless Access Systems, 2005, Sections 8.4.10.2.1, 8.4.10.3.2. IEEE Std 802.11-1999 (Reaff 2003), "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications," LAN MAN Standards Committee of the	T2
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<i>Complete if known.</i> Application Number 10/551,895 Filing Date 2005-10-04 First Named Inventor James A. Proctor, JR. Art Unit 2618 Examiner Name MIL ORD, MARCEAU			
Sheet <b>12</b> of <b>14</b>	Attorney Docket No.: 080561		

NON PATENT LITERATURE DOCUMENTS

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		<b>NON PATENT LITERATURE DOCUMENTS</b>
		IEEE Computer Society. Paragraphs 7.2.3.1 and 7.2.3.9; Paragraph 7.3.2.4; Paragraphs 15.4.6.2 and 18.4.6.2
	205	IEEE Std 802.11b-1999, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band," IEEE-SA Standards Board, Supplement to ANSI/IEEE Std. 802.11, 1999 Edition, Approved September 16, 1999.
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	216	Office communication issued from the European Patent Office dated December 19, 2006 for the corresponding European patent application No. 03759217.4-2412.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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Application Number		10/551,895	
Filing Date		2005-10-04	
First Named Inventor		James A. Proctor JR.	
Art Unit		2618	
Examiner Name		MILORD, MARCEAU	
Attorney Docket No.		080591	

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	217			Second Office Action issued from the Chinese Patent Office on July 20, 2007 in connection with corresponding Chinese application No. 200380101286.2
	218			Specifications for 2.3 GHz Band Portable Internet Service - Physical & Medium Access Control Layer, TTAS KO-06, 0082/R1, December 2005.
	219			Third Office Action issued from the Patent Office of People's Republic of China dated January 4, 2008 in corresponding Chinese Patent Application No. 200380101286.2
	220			Translation of Office Action issued by Chinese Patent Office on October 19, 2007 in connection with the corresponding Chinese application No. 03814391.7
	221			U.S. PTO Office Action mailed on April 17, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.
	222			U.S. PTO Office Action mailed on January 24, 2007 for the corresponding parent pate application No. 11/339,838, now U.S. Patent No. 7,230,935.
	223			U.S. PTO Office Action mailed on November 21, 2006 for the corresponding parent pa application No. 11/339,838, now U.S. Patent No. 7,230,935.
	224			U.S. PTO Office Action mailed on November 6, 2006 for the corresponding parent pat application No. 11/339,838, now U.S. Patent No. 7,230,935.

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including gathering, preparing, and submitting the completed application form to the USPTO. Times will vary depending upon the individual case. Any comm  
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